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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10589449
Filing Date	2007-04-27
First Named Inventor	Thomas Tuschl et al.
Art Unit	1635
Examiner Name	N/A
Attorney Docket Number	1119-10 CON/PCT/US

**U.S.PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7217807	B2	2007-05-15	Bentwich	

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**U.S.PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20060257851		2006-11-16	Bentwich	
	2	20070042381		2007-02-22	Bentwich et al.	
	3	20070039072	A1	2007-02-15	Khvorova et al.	
	4	20030108923	A1	2003-06-12	Tuschl et al.	
	5	20070039072		2007-02-01	Khvorova et al.	

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6	20060166910	A1	2006-07-27	Tuschl et al.	
7	20080188428	A1	2008-08-07	Bentwich	

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**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> ;	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	WO2004048511	WO	A2	2004-06-10	Bentwich		<input type="checkbox"/>
	2	WO2004007718	WO	A2	2004-01-22	Tuschl et al.		<input type="checkbox"/>
	3	WO03029459	WO	A2	2003-04-10	Tuschl et al.		<input type="checkbox"/>
	4	WO2004044123	WO	A2	2004-05-27	Bentwich		<input type="checkbox"/>
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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	1	Avavin et al., "The Small RNA Profile During Drosophila Melanogaster Development", Developmental Cell, Vol. 5, p. 337-350 (2003).	<input type="checkbox"/>
	2	Beigelman et al., "Chemical Modification of Hammerhead Ribozymes", The Journal of Biological Chemistry, Vol. 270, No. 43, P. 25702-25708 (1995).	<input type="checkbox"/>
	3	Liang et al., "Inhibitor RNA Blocks the Protein Translation Mediated by Hepatitis C Virus Internal Ribosome Entry Site in Vivo", World J. Gastroenterol, 10(5), p. 664-667 (2004).	<input type="checkbox"/>
	4	Amarzguioui, Mohammed, et al., "Tolerance for mutations and chemical modifications in a siRNA", Nucleic Acids Research 2003, 31(2):589-595.	<input type="checkbox"/>
	5	Bartel, David P., "MicroRNAs: Genomics, Biogenesis, Mechanism, and Function", Cell 2004, 116:281-297.	<input type="checkbox"/>
	6	Elbashir, Sayda M., et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells", Nature 2001, 411:494-498.	<input type="checkbox"/>
	7	Holen, Torgeir, et al., "Positional effects of short interfering RNAs targeting the human coagulation trigger Tissue Factor", Nucleic Acids Research 2002, 30(8):1757-1766.	<input type="checkbox"/>
	8	Holen, Torgeir, et al., "Similar behaviour of single-strand and double-strand siRNAs suggests they act through a common RNAi pathway", Nucleic Acids Research 2003, 31(9):2401-2407.	<input type="checkbox"/>
	9	Howard, Ken, "Unlocking the money-making potential of RNAi", Nature Biotechnology 2003, 21(12):1441-1446.	<input type="checkbox"/>
	10	Kurreck, Jens, "Antisense technologies Improvement through novel chemical modifications", Eur. J. Biochem. 2003, 270:1628-1644.	<input type="checkbox"/>

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11	Meister, Gunter, et al., "Sequence-specific inhibition of microRNA- and siRNA-induced RNA silencing", RNA 2004, 10:544-550.	<input type="checkbox"/>
12	Nelson, Peter, et al., "The microRNA world: small is mighty", TRENDS in Biochemical Sciences 2003, 28(10):534-540.	<input type="checkbox"/>
13	Database EMBL (Online), 'Homo Sapiens Genomic Sequence Surrounding NotI site, clone NR3-B07C', XP002451881 retrieved from EBI accession no. EMBL: AJ332626; 21/22 residues match SEQ ID NO: 1; October 2001, abstract.	<input type="checkbox"/>
14	Database EMBL (Online), 'NISC_js08a05.w1 Soares NMBP1 Mus Musculus cDNA clone Image: 4314537 5', mRNA sequence", XP002451882 retrieved from EBI accession no. EMBL: CB057718; 22/22 residues match SEQ ID NO: 3; January 2003, abstract.	<input type="checkbox"/>
15	Database EMBL (Online), CH4#001_G02T7 Canine Heart Normalized CDNA Library in pBluescript Canis familiaris CDNA clone CH4#001_G02 5', mRNA sequence." XP002451883 retrieved from EBI accession no. EMBL: BU751380; 22/22 residues match SEQ ID NO: 4; October 2002, abstract.	<input type="checkbox"/>
16	Berezikov et al., "Phylogenetic Shadowing and Computational Identification of Human MicroRNA Genes", Cell, Vol. 120, pp. 21-24 (2005).	<input type="checkbox"/>
17	Seitz, et al., "A Large Imprinted MicroRNA Gene Cluster at the Mouse Elkl-Gtl2 Domain", Genome Research, pp2. 1-8 (2004).	<input type="checkbox"/>
18	Xie et al., "Systematic Discovery of Regulatory Motifs in Human Promoters and 3' UTR's by Comparison of Several Mammals", Nature, pp. 1-8 (2005).	<input type="checkbox"/>
19	Analysis and accompanying remarks by Rosetta Genomics of the sequences presented in Table A2 of the specification of the instant application (June 28, 2007).	<input type="checkbox"/>
20	Table of information provided by Rosetta regarding the applications submitted in IDS dated July 12, 2007 (June 28, 2007).	<input type="checkbox"/>
21	Analysis by Rosetta of the sequences of Table A2 compared to those disclosed in Rosetta's patent applications (June 28, 2007).	<input type="checkbox"/>

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22	AC146999, Murphy et al. October 31, 2003, P. 1-67.	<input type="checkbox"/>
23	Murphy et al., "Coding Potential of Laboratory and Clinical Strains of Human Cytomegalovirus", PNAS, Vol. 100, No. 25, p. 14976-14981 (2003).	<input type="checkbox"/>
24	Taliansky et al., "An Umbraviral Protein, Involved in Long-Distance RNA Movement, Binds Viral RNA and Forms Unique, Protective Ribonucleoprotein Complexes", Journal of Virology, Vol. 77, No. 5, p. 3031-3040 (2003).	<input type="checkbox"/>
25	Paddison et al., "Short Hairpin RNAs (shRNAs) Induce Sequence-Specific Silencing in Mammalian Cells", Genes & Development, 16:948-958 (2002).	<input type="checkbox"/>
26	Wiebusch et al., "Inhibition of Human Cytomegalovirus Replication by Small Interfering RNAs", Journal of General Virology, 85, p. 179-184 (2004).	<input type="checkbox"/>
27	Vanitharani et al., "Short Interfering RNA-Mediated Interference of Gene Expression and Viral DNA Accumulation in Cultured Plant Cells", PNAS, Vol. 100, No. 16, p.9632-9636 (2003).	<input type="checkbox"/>
28	Pfützner et al., "Isolation and Characterization of cDNA Clones Corresponding to Transcripts from the BamHI H and F Regions of the Epstein-Barr Virus Genome", Journal of Virology, Vol. 61, No. 9, p. 2902-2909 (1987).	<input type="checkbox"/>
29	Pfeffer et al., "Identification of Virus-Encoded microRNAs", Science, Vol. 304, p. 734-736 (2004).	<input type="checkbox"/>
30	Pfeffer et al., "Identification of microRNAs of the Herpesvirus Family", Nature Methods, Published Online DOI:10.1038/NMETH746, p. 1-8 <b>April 2004</b>	<input type="checkbox"/>
31	Zeng, et al., "MicroRNAs and Small Interfering RNAs Can Inhibit mRNA Expression by Similar Mechanisms", PNAS, Vol. 100, No. 17, p. 9779-9784 (2003).	<input type="checkbox"/>
32		<input type="checkbox"/>

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**EXAMINER SIGNATURE**

Examiner Signature	/Kimberly Chong/	Date Considered	03/05/2010
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OR

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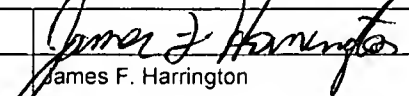
☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	2008-10-27
Name/Print	James F. Harrington	Registration Number	44741

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